SYLLABUS

Renaissance High School

6565 W. Outer Drive

Detroit, MI 48235

(313) 416-4600

Teacher: Karen R. Treadway-Harvel, Ph.D.

Email Address: karen.treadway-harvel@detroitk12.org

Dear Parents,

Welcome to Algebra 1. This syllabus will inform you of some important things that you need to know about your child’s classroom. Please save this for future reference.

**COURSE DESCRIPTION:** Algebra 1: Course ID: 2110 content includes number systems and number sense; representations and relationships; calculation, algorithms and estimation, construction, interpretation and manipulation of expressions, functions; families of functions, scatterplots and correlation of linear regression. This course focuses on student understanding and differentiation models that support various learning styles.

It is the purpose of Algebra 1 to give the students a rigorous understanding of the expectations included within it. It is also the goal of this model to help students see the connections in the mathematics that they have already learned. Students will develop an understanding that algebraic thinking is an accessible and powerful tool that can be used to model and solve real-world problems.

The textbook that will be used is Algebra 1 (2004) by Larson, Boswell, Kanold, and Stiff; publishers: McDougal Littell.

## Algebra 1: First Semester

Chapter 1: Connections to Algebra: Ch 1.1-1.7

Chapter 2: Properties of Real Numbers: Ch 2.1-2.8

Chapter 3: Solving Linear Equations: Ch 3.1-3.8

Chapter 4: Graphing Linear Equations and Functions: Ch 4.1-4.8

Chapter 5: Writing Linear Equations: Ch 5.1-5.7

Chapter 6: Solving and Graphing Linear Inequalities: Ch 6.1-6.7

## Algebra 1: Second Semester

Chapter 7: Systems of Linear Equations and Inequalities: Ch 7.1-7.6

Chapter 8: Exponents and Exponential Functions: Ch 8.1-8.6

Chapter 9: Quadratic Equations and Functions: Chapter 9.1-9.8

Chapter 10: Polynomials and Factoring: Chapter 10.1-10.8

Chapter 11: Rational Equations and Functions: Chapter 11.1-11.8

Chapter 12: Radicals and Connections to Geometry

## Supplies

Your child needs colored pencils, pencils, calculator (TI 84+, TI 84+ Silver, TI 84+ Silver C), ruler/Protractor, notebook paper and binder (1 inch), or, 3-subject notebook (perforated edges), graph paper, and folder. A book bag for transporting materials to and from school is also recommended.

## Grades

Attendance will be the determining factor in student’s grade in this course. Attendance affects the learning process of the class. Of course, poor attendance negates the learning process. Excessive tardiness is also a determining factor in student’s grade in this course.

Makeup assignments will be given based on approved documentation.

## The Points of the Categories

Tests 30%

Quizzes 20%

Project 5%

Classwork 15%

Homework 15%

Participation 5%

### Final Exam 10%

Total 100%

## Grading Scale

* 1. A
  2. B
  3. C
  4. D

Below 60 F

(This is the grading scale for the individual categories and report cards.)

## Classroom Rules

1. Listen carefully and follow your teacher’s directions.
2. Respect others, and personal and school property.
3. Complete all assignments.
4. Bring your supplies.

## Homework

Homework will be given Monday through Friday. The homework will be checked in their notebooks/binders and/or will be collected the following day after the assignment is given. If your child is absent, an absent excuse is required. At random, I will call home to verify absence. Homework is due when he/she returns to school and make-up work will be given at that time. Students will have up to three days to return makeup homework assignments. It is acceptable to receive homework assignments before the three days.

**Discipline**

Collaboration and cooperative learning is encouraged in the classroom. However, cheating is not encouraged. Students that have cheated on any assignments will receive an **F grade** and the students that gave their assignments to the students will also receive an **F grade.**

Conduct problems will not be tolerated in the classroom. The teacher will call home to discuss the situation(s) with the parents.

**Other Important Rules**

Bell work will be given to students as soon as they enter the class. All bell work will be given by the tardy time. Students must complete the bell work within five minutes. Students that are late without a pass will be given an **F grade**. Students that present a valid pass will be allowed to complete the bell work if the time is allotted. Otherwise, students will receive no grade if they arrived to class after the allotted time. Students receiving no grade will not be penalized for not doing the bell work.

Grades will be posted twice a month using the students’ identification number as an identifier. Progress reports will be sent home every three weeks for parents reviewing and signatures. Students are to keep all assignments in a folder to verify that they have the correct grades for each assignment.

Parents, if there are any questions concerning you child, please contact me first. The school number is (313) 416-4600.

I hope that the student’s ability to use knowledge and ideas flexible to their classroom will be expanded to higher education, work force, and the community. I hope to meet all of you soon, and I look forward to a productive year with your support.

**(Return This Page Only)**

I have read the expectations, the grading procedures, discipline, and other important rule. I will definitely contact the teacher if there are any concerns.

Parent(s)/Guardian (s) Printed Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent(s)/Guardian(s) Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student’s Printed Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student’s Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_